

WHAT IS CLAIMED IS:

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1. A recording medium comprising:
data sectors; and
identifier portions each provided for more
than one of the data sectors,

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each of the identifier portions being
arranged in positions shifted from the identifier
portions on adjacent tracks.

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2. The recording medium as claimed in
claim 1, wherein predetermined tracks are produced
in the form of lands, and other tracks adjacent to
the predetermined tracks are produced in the form of
grooves.

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3. The recording medium as claimed in
claim 1, wherein the identifier portions have
addresses which are consecutive in a direction of
the tracks.

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4. The recording medium as claimed in
claim 1, wherein the identifier portions have
addresses which are consecutive in a direction of
the tracks at intervals of a constant address value.

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5. The recording medium as claimed in claim 1, wherein synchronizing information portions for distinguishing the data sectors are provided between the data sectors.

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6. The recording medium as claimed in claim 5, wherein the synchronizing information portions are arranged adjacent to each other on mutually adjacent tracks.

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7. The recording medium as claimed in claim 5, wherein the synchronizing information portions between sectors on adjacent tracks have the same pattern, and the pattern of the synchronizing information portions in the data sectors with the identifier portions on a track are different from the pattern of the synchronizing information portions in the data sectors with no identifier portions.

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8. The recording medium as claimed in claim 6, wherein the synchronizing information portions are provided on every other track.

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9. An information storage apparatus for

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making access to a recording medium which has data sectors, and identifier portions each provided for more than one of the data sectors, each of the identifier portions being arranged in positions shifted from each other on adjacent tracks, said information storage apparatus comprising:

an address determination unit which generates addresses of the data sectors based on the identifier portions, and determines whether a
10 desired data sector is reached in accordance with the addresses.

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10. The information storage apparatus as
claimed in claim 9, wherein the address
determination unit counts the number of data sectors,
and generates the addresses based on the identifier
20 portions and the number of the data sectors.

25 11. The information storage apparatus as
claimed in claim 9, further comprising a servo
controller which changes servo error sensitivity
based on an identifier portion closest to a desired
data sector having no identifier portion when
30 read/write is performed on the desired data sector.

35 12. The information storage apparatus as
claimed in claim 9, wherein the address
determination unit outputs a window signal having an

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